



Network Terminal

The Network Terminal (NT) can put the precise facility management capabilities of Metasys™ directly at the fingertips of the person charged with overseeing your system. Designed to be as easy to use as an automatic bank teller machine, the NT allows equipment status to be monitored, limits to be set, and dozens of other functions to be checked and altered, all without touching a key. Instead, your operator watches a menu-driven, liquid-crystal display and uses his finger as a mouse to enter command selections on a touchpad. The rugged NT can be hand-held and plugged into any Network Control Unit, or can be mounted permanently at the NCU. It has total access to information from anywhere in your facility regardless to which NCU it is connected.



Figure 1: Network Terminal

Features and Benefits		
<input type="checkbox"/> Touchscreen input	Easy to use	
<input type="checkbox"/> Multiple point display screen size		
<input type="checkbox"/> Fully prompted menu driven input	Easy to learn	
<input type="checkbox"/> Online Help screens		
<input type="checkbox"/> English commands and point descriptors, totally consistent with Operator Workstation interface		
<input type="checkbox"/> Plug into any NCU	Facility-wide information management	
<input type="checkbox"/> Total access to information and commands anywhere within the network		
<input type="checkbox"/> 5 levels of password access	Network security	

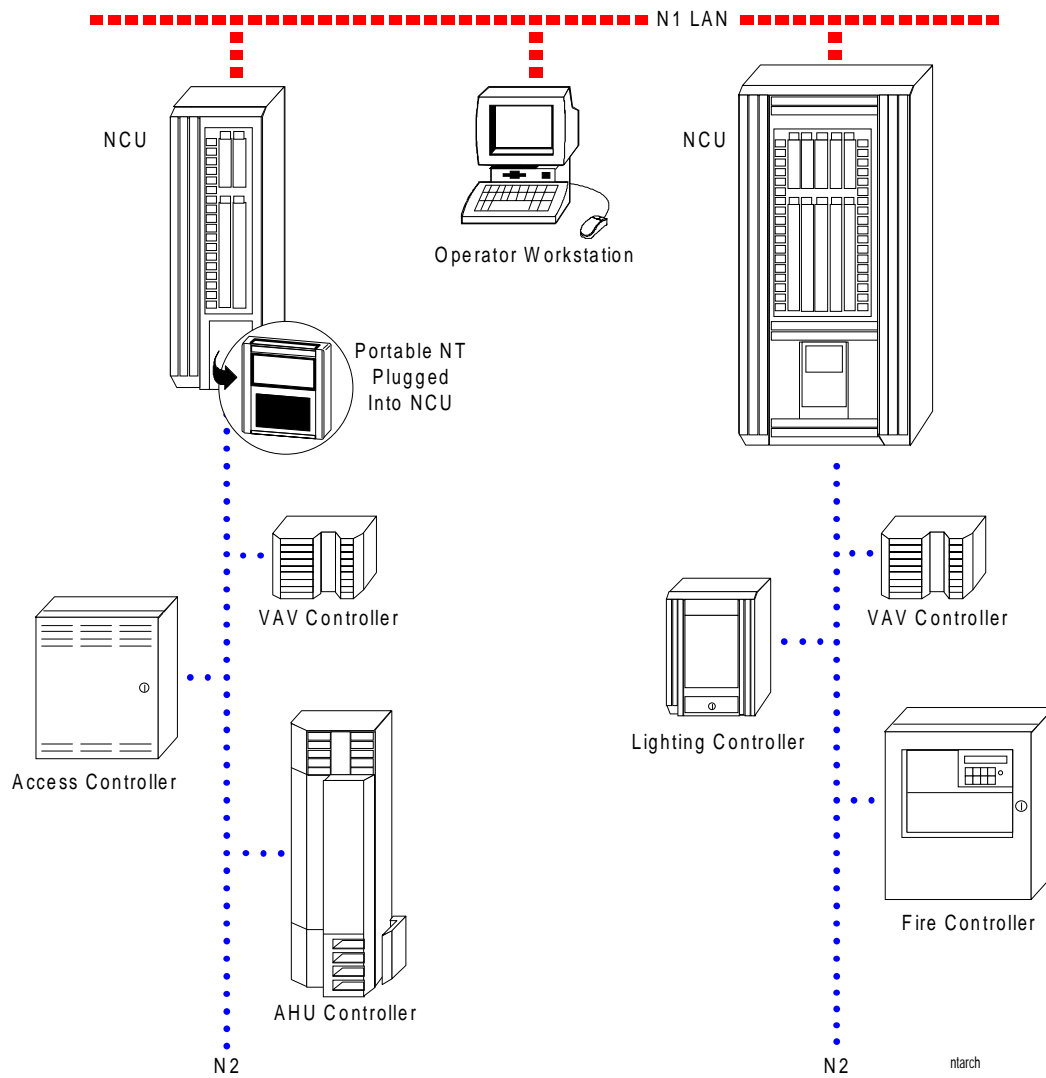


Figure 2: Network Terminal in Metasys Architecture

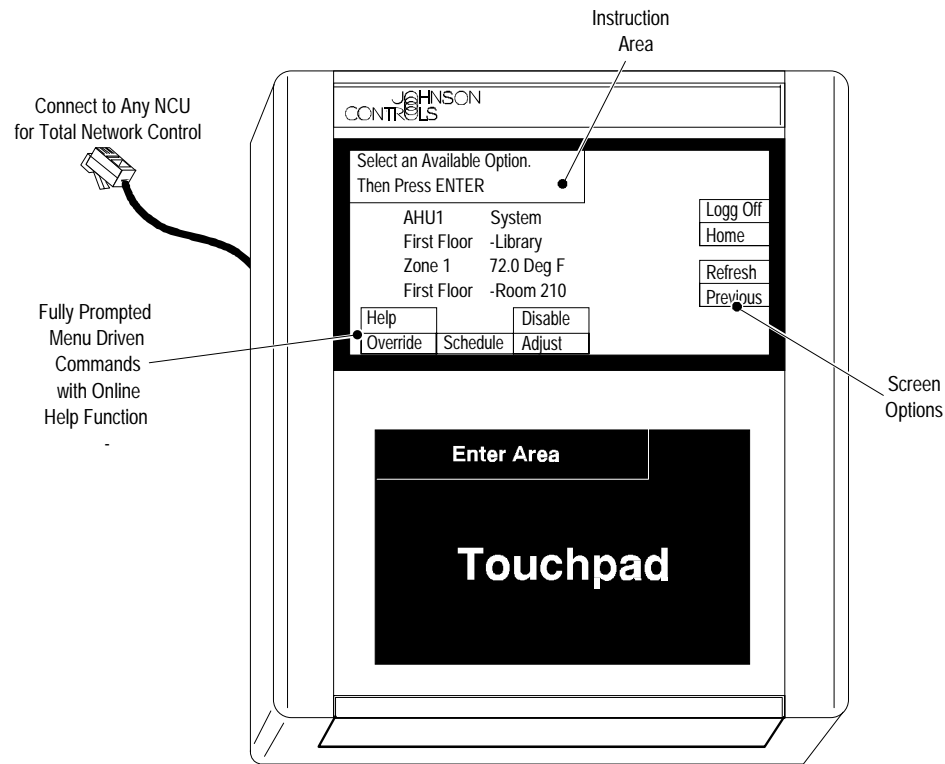


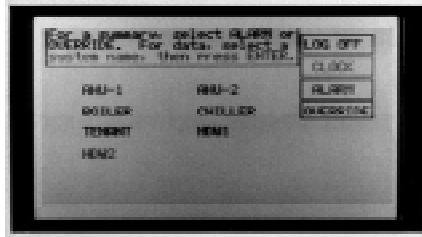
Figure 3: Touchpad

Portable Operator's Terminal

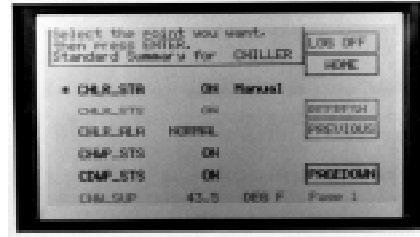
The Network Terminal is a portable operator device that provides your building staff with the information and control necessary to operate your facility. It is rugged enough for use in the mechanical equipment rooms, and has the features needed to make it easy to learn and use. Touchpad Operation is Easy to Use

Touchpad Operation is Easy to Use

The Network Terminal doesn't have a keyboard to frustrate or intimidate your operators. Instead, it displays a logical penetration of system and point names and command functions on a large display screen. Your operator simply points to where he wants to go or what he wants to do--the NT prompts him all the way.



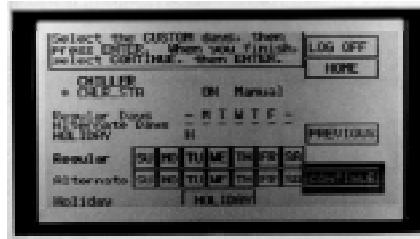
Any system in your facility can be accessed from the NT ...



... providing information about all its points



Commands are fully prompted ...



... making functions like schedule changes a snap!

Figure 4: Network Terminal Displays

Consistent PMI

In keeping with the Metasys seamless and easy-to-understand design, the user interface of the NT is consistent with the user interface of the Operator Workstation. Both devices display the same names for points and commands in full English terms. Data values and status units are identical, and information is logically grouped under the same user defined system descriptors. Even the password you use at the Operator

Workstation is identical to the one you enter at the NT. This means that anyone familiar with one device can readily operate the other. This is a major advancement over systems that require a totally different interface between different types of terminals, thus eliminating the time consuming learning curve required for those systems.

Transparent Network Access

When a Network Terminal is connected to any Network Control Unit, your operator can view equipment status, issue overrides, or make parameter and schedule changes anywhere in Metasys, restricted only by his password. This is because the Dynamic Data Access™ networking software provides total data sharing among all controllers in a seamless and transparent way. It is not even necessary for the operator to know which controller has the information he is looking for — simply point to the name of the mechanical system or building area of interest, and Dynamic Data Access will find where the information is kept.

This feature can greatly increase the productivity of your building staff. For example, a maintenance person could be paged to investigate a problem somewhere in your facility. He only needs to go to the nearest NCU, plug in his Network Terminal, and have immediate access to equipment status, room temperatures, historical trends, alarm and override conditions, and other information about our facility. This lets him resolve the problem quickly and efficiently.

Powerful Capabilities

Setting weekly, holiday or temporary schedules is fast and easy with the NT, as are clock and calendar settings. Setpoints, alarm limits, and control loop parameters can easily be adjusted. Overriding or adjusting automatic controls (and then returning them to Automatic) can be done with the NT. If the system detects a malfunctioning piece of equipment, that piece can be disabled from the NT so that it won't interfere with other building functions.

The NT will provide a status summary of all equipment in the building at that moment. It can also show historic information for any point, for

example, temperature readings every half hour for the preceding 24 hours. In a smaller facility, the NT can easily function as a money-saving, energy efficient primary input device for adjusting Metasys. In a larger facility, it's an invaluable tool for helping Metasys and your building operators maintain optimum control.

The NT can be programmed to continuously display any six points on the screen whenever the operator has logged off. This makes the NT valuable as a permanently mounted status panel in your equipment rooms, where vital facility status can be viewed instantly.

One Help

The NT is so simple it doesn't require a manual. But if your operator should have a question, he can easily ask the system. By selecting HELP from the screen, and then pointing to the function he has a question about, a full screen of information about that part of the system will appear.

Conclusion

Monitoring the workings of a Facility Management System has never been easier, or more efficient, than it is using the Metasys Network Terminal. Both maintenance people in large facilities who dislike computers and operators of small buildings who may not fully understand the intricacies of their facilities will be equally surprised -- and pleased -- with the NT's ease of use.

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Specifications

Product	Network Terminal
Dimensions (HxWxD)	8.5in. X 7.6in X 2in. (21.6 X 19.3 X 5.1 cm)
Weight	2.5 pounds (1.1 kg)
Screen	16 line X 40 character, 256 x 128 dot-matrix liquid crystal display; optional backlighting.
Power	5 VDC from NCU

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.



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